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## Dynamin-related proteins Vps1p and Dnm1p control peroxisome abundance in *Saccharomyces cerevisiae*

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**Table S1. *Saccharomyces cerevisiae* strains used in this study**

Strain	Description	Source
BY4742 WT	<i>MAT<math>\alpha</math> his3<math>\Delta</math> leu2<math>\Delta</math> lys<math>\Delta</math> ura3<math>\Delta</math></i>	Euroscarf, Frankfurt
BY4742 WT GFP-SKL	BY4742 WT. <i>URA3::P<sub>MET25</sub> GFP.SKL</i>	This study
BY4742 <i>vps1</i>	<i>vps1<math>\Delta</math>::kanMX4</i>	Euroscarf , Frankfurt
BY4742 <i>vps1</i> GFP-SKL	BY4742 <i>vps1.URA3::P<sub>MET25</sub> GFP.SKL</i>	This study
BY4742 <i>dnm1</i>	<i>dnm1<math>\Delta</math>::kanMX4</i>	Euroscarf, Frankfurt
BY4742 <i>dnm1</i> GFP-SKL	BY4742 <i>dnm1<math>\Delta</math>.URA3::P<sub>MET25</sub> GFP.SKL</i>	This study
BY4742 <i>fis1</i>	<i>fis1<math>\Delta</math>::kanMX4</i>	Euroscarf, Frankfurt
BY4742 <i>fis1</i> GFP-SKL	BY4742 <i>fis1<math>\Delta</math>.URA3::P<sub>MET25</sub> GFP.SKL</i>	This study
BY4742 <i>vps1</i>	<i>vps1<math>\Delta</math>::HIS3</i>	This study
BY4742 <i>dnm1 vps1</i>	<i>vps1<math>\Delta</math>::HIS3 dnm1<math>\Delta</math>::loxp. URA3::P<sub>MET25</sub> GFP.SKL</i>	This study
BY4742 Dnm1-GFP	<i>DNM1.GFP::kan MX4</i>	This study
BY4742 Dnm1-GFP DsRed-SKL	<i>DNM1.GFP::kan MX4.HIS3::P<sub>MET25</sub> DsRed.SKL</i>	This study
BY4742 <i>dnm1 vps1</i> GFP-Ant1p	<i>vps1<math>\Delta</math>::HIS3 dnm1<math>\Delta</math>::loxp. URA3::P<sub>MET25</sub> GFP.ANT1</i>	This study
BY4742 GFP-Fis1p DsRed-SKL	<i>LEU2::P<sub>MET25</sub> GFP.FIS1; HIS3::P<sub>MET25</sub> DsRed.SKL</i>	This study
BY4742 <i>fis1</i>	<i>fis1<math>\Delta</math>::loxp</i>	This study
BY4742 <i>fis1</i> Dnm1-GFP	<i>fis1<math>\Delta</math>::loxp entf. Dnm1.GFP::kanMX4</i>	This study
BY4742 <i>fis1</i> Dnm1-GFP DsRed-SKL	<i>fis1<math>\Delta</math>::loxp entf. Dnm1.GFP::kanMX4 HIS3::P<sub>MET25</sub> DsRed.SKL</i>	This study

**Table S2. Plasmids used in this study**

Plasmid	Description	Source or Reference
pRS6	$P_{MET25}$ <i>GFP.SK1</i> ; amp <sup>R</sup> <i>Sc-URA3</i>	(Schäfer et al., 2004)
MBA-72 (M4754)	KanMX::HIS3; amp <sup>R</sup>	(Voth et al., 2003)
pUG34	$P_{MET25}$ <i>GFP</i> ; amp <sup>R</sup> <i>Sc-HIS3</i>	(Güldener et al., 1996)
pUG36	$P_{MET25}$ <i>GFP</i> ; amp <sup>R</sup> <i>Sc-URA3</i>	(Güldener et al., 1996)
pHIPZ4-DsRed-T1.SK1	$P_{AOX}$ <i>DsRed.SK1</i> ; amp <sup>R</sup> ; Zeo <sup>R</sup>	(Monastyrska et al., 2005)
pUG34 DsRed.SK1	$P_{MET25}$ <i>DsRed.SK1</i> ; amp <sup>R</sup> <i>Sc-HIS3</i>	This study
pUG6	Vector containing loxp flanked KanMX4 cassette	(Güldener et al., 1996)
pSH47	Vector containing cre recombinase used to remove resistance marker	(Güldener et al., 1996)
pYM12	Vector containing <i>GFP</i> for C-terminal GFP fusion	(Knop et al., 1999)
pMD23	$P_{MET25}$ <i>GFP.ANT1</i> ; amp <sup>R</sup> <i>Sc-URA3</i>	This study
pRS415 GFP-FIS1aa1-155	$P_{MET25}$ <i>GFP. FIS1aa1-155</i> ; amp <sup>R</sup> <i>LEU2</i>	(Mozdy et al., 2000)

**Table S3. Primers used in this study**

Primer	Sequence
RE 1384	5'-AGTTTATAAAAAGGCTGCAACCCTTATTAGTAATATTCTGCGTACGCTGCA GGTCGAC-3'
RE 1385	5'-CAATGTTGAAGTAAGATCAAAAATGAGATGAATTATGCAAATCGATGAAT TCGACGAGCTCG-3'
RE 1386	5'-AAAGAATGGAGAGGAGAGC-3'
K3	5'-CCTCGACATCATCTGCCC-3'
RE 1395	5'-TTAAGTAGCTACCAGCGAATCTAAATACGACGGATAAAGACAGCTGAAGC TTCGTACGCT-3'
RE 1396	5'-CAATGTTGAAGTAAGATCAAAAATGAGATGAATTATGCAAATAGGCCACTA GTGGATCTG-3'
RE1664	5'-CAGGAATTCTTAACTCTAGAGTCTGCATTAAC-3'
RE1665	5'-TGACTCGAGTCAAGTGGAAGCCAGCTTGCG-3'
RE1695	5'-CATAGAAGCACAGATCAGAGCACAGCCATACAACATAAGTCAGCTGAAGCTTCGTAC GCT-3'
RE1696	5'-TCTTATGTATGTACGTATGTGCTGATTTTTTATGTGCTTGATAGGCCACTAGTGGATCT G-3'
RE1697	5'-CCAGCTCCAGGGCATAACAGT-3'
RE1698	5'-GTTGCTGTGACAACCGTAGGC-3'